

ABSTRACT OF THE DISCLOSUREREFERENCE VOLTAGE SOURCE, TEMPERATURE SENSOR, TEMPERATURE
THRESHOLD DETECTOR, CHIP AND CORRESPONDING SYSTEM

The invention relates to an electrical reference voltage source comprising:

- a first electrical current source (PTAT 101) adapted to produce a first current (14) proportional to a
5 temperature; and
- a second electrical current source (CPTAT 102) adapted to produce a second current (15) inversely proportional to the temperature.

According to the invention, the first and second
10 current sources are installed in parallel and the voltage source comprises means (R3) of summing the first and second currents producing a reference current in the summation means generating the reference voltage (VREF) at the terminals of the summation means.

15 The invention also relates to a temperature sensor, a temperature threshold detector, a chip and a corresponding system.

Figure 1